

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/521,428  
Source: PG/10  
Date Processed by STIC: 1/28/05

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/521,428</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



PCT

## RAW SEQUENCE LISTING

DATE: 01/28/2005

PATENT APPLICATION: US/10/521,428

TIME: 11:43:48

Input Set : A:\ASZD-P01-750.txt

Output Set: N:\CRF4\01282005\J521428.raw

3 <110> APPLICANT: Vu, Huy Khang  
 4 Groblewski, Thierry  
 5 Greasley, Peter  
 7 <120> TITLE OF INVENTION: Splice Variant Cannabinoid Receptor (CB1B)  
 9 <130> FILE REFERENCE: ASZD-P01-750  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/521,428  
 C--> 11 <141> CURRENT FILING DATE: 2005-01-14  
 11 <150> PRIOR APPLICATION NUMBER: 0202240-8  
 12 <151> PRIOR FILING DATE: 2002-07-17  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 1320  
 20 <212> TYPE: DNA  
 21 <213> ORGANISM: Homo sapiens  
 23 <400> SEQUENCE: 1  
 24 atgaagtcga tcctagatgg ccttgcatg accaccttcc gcaccatcac cactgacctc 60  
 25 ctgggaagtc ccttccaaga gaagatgact gcgggagaca acccccagct agtcccagca 120  
 26 gaccaggtga acattacaga attttacaac aagtctctct cgtccttcaa ggagaatgag 180  
 27 gagaacatcc agtggtggga gaacttcatg gacatagagt gtttcatggt cctgaacccc 240  
 28 agccagcagc tggccattgc agtcctgtcc ctacagctgg gcaccttcac ggtcctggag 300  
 29 aacctcctgg tgctgtgctg catcctccac tcccgcagcc tccgctgcag gccttcctac 360  
 30 cacttcatcg gcagcctggc ggtggcagac ctctgggga gtgtcathtt tgtctacagc 420  
 31 ttcatgtact tccacgtgtt ccaccgcaaa gatagccgca acgtgtttct gttcaaactg 480  
 32 ggtggggtca cgccctcctt cactgcctcc gtgggcagcc tgttccctac agccatcgac 540  
 33 aggtacatat ccattcacag gcccctggcc tataagagga ttgtcaccag gcccaggcc 600  
 34 gtggtagcgt tttgcctgat gtggaccata gccattgtga tcgccgtgct gcctctcctg 660  
 35 ggctggaact gcgagaaact gcaatctgtt tgctcagaca ttttccaca cattgatgaa 720  
 36 acctacctga tgttctggat cggggtcacc agcgtactgc ttctgttcat cgtgtatgag 780  
 37 tacatgtata ttctctggaa ggctcacagc cacgccgtcc gcatgattca gcgtggcacc 840  
 38 cagaagagca tcatcatcca cagctctgag gatgggaagg tacaggtgac ccggccagac 900  
 39 caagcccgca tggacattag gttagccaag accctgggtc tgatcctggt ggtgttgatc 960  
 40 atctgctggg gccctctgct tgcaatcatg gtgtatgatg tctttgggaa gatgaacaag 1020  
 41 ctcatthaaga cgggtgttgc attctgcagt atgctctgcc tgcctgaact caccgtgaac 1080  
 42 cccatcatct atgctctgag gagtaaggac ctgcgacacg ctttccggag catgtttccc 1140  
 43 tcttgtgaag gcactgcgca gcctctggat aacagcatgg gggactcgga ctgcctgcac 1200  
 44 aaacacgcaa acaatgcagc cagtgttcac agggccgcag aaagctgcat caagagcagc 1260  
 45 gtcaagattg ccaaggtaac catgtctgtg tccacagaca cgtctgccga ggctctgtga 1320  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 439  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Homo sapiens  
 53 <400> SEQUENCE: 2

Does Not Comply  
 Corrected Diskette Needed

P.3

## RAW SEQUENCE LISTING

DATE: 01/28/2005

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TIME: 11:43:48

Input Set : A:\ASZD-P01-750.txt

Output Set: N:\CRF4\01282005\J521428.raw

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54 Met Lys Ser Ile Leu Asp Gly Leu Ala Asp Thr Thr Phe Arg Thr Ile
55   1           5           10           15
57 Thr Thr Asp Leu Leu Gly Ser Pro Phe Gln Glu Lys Met Thr Ala Gly
58           20           25           30
60 Asp Asn Pro Gln Leu Val Pro Ala Asp Gln Val Asn Ile Thr Glu Phe
61           35           40           45
63 Tyr Asn Lys Ser Leu Ser Ser Phe Lys Glu Asn Glu Glu Asn Ile Gln
64           50           55           60
66 Cys Gly Glu Asn Phe Met Asp Ile Glu Cys Phe Met Val Leu Asn Pro
67   65           70           75           80
69 Ser Gln Gln Leu Ala Ile Ala Val Leu Ser Leu Thr Leu Gly Thr Phe
70           85           90           95
72 Thr Val Leu Glu Asn Leu Leu Val Leu Cys Val Ile Leu His Ser Arg
73           100          105          110
75 Ser Leu Arg Cys Arg Pro Ser Tyr His Phe Ile Gly Ser Leu Ala Val
76           115          120          125
78 Ala Asp Leu Leu Gly Ser Val Ile Phe Val Tyr Ser Phe Ile Asp Phe
79           130          135          140
81 His Val Phe His Arg Lys Asp Ser Arg Asn Val Phe Leu Phe Lys Leu
82 145           150           155           160
84 Gly Gly Val Thr Ala Ser Phe Thr Ala Ser Val Gly Ser Leu Phe Leu
85           165           170           175
87 Thr Ala Ile Asp Arg Tyr Ile Ser Ile His Arg Pro Leu Ala Tyr Lys
88           180           185           190
90 Arg Ile Val Thr Arg Pro Lys Ala Val Val Ala Phe Cys Leu Met Trp
91           195           200           205
93 Thr Ile Ala Ile Val Ile Ala Val Leu Pro Leu Leu Gly Trp Asn Cys
94           210           215           220
96 Glu Lys Leu Gln Ser Val Cys Ser Asp Ile Phe Pro His Ile Asp Glu
97 225           230           235           240
99 Thr Tyr Leu Met Phe Trp Ile Gly Val Thr Ser Val Leu Leu Leu Phe
100           245           250           255
102 Ile Val Tyr Ala Tyr Met Tyr Ile Leu Trp Lys Ala His Ser His Ala
103           260           265           270
105 Val Arg Met Ile Gln Arg Gly Thr Gln Lys Ser Ile Ile His Thr
106           275           280           285
108 Ser Glu Asp Gly Lys Val Gln Val Thr Arg Pro Asp Gln Ala Arg Met
109           290           295           300
111 Asp Ile Arg Leu Ala Lys Thr Leu Val Leu Ile Leu Val Val Leu Ile
112 305           310           315           320
114 Ile Cys Trp Gly Pro Leu Leu Ala Ile Met Val Tyr Asp Val Phe Gly
115           325           330           335
117 Lys Met Asn Lys Leu Ile Lys Thr Val Phe Ala Phe Cys Ser Met Leu
118           340           345           350
120 Cys Leu Leu Asn Ser Thr Val Asn Pro Ile Ile Tyr Ala Leu Arg Ser
121           355           360           365
123 Lys Asp Leu Arg His Ala Phe Arg Ser Met Phe Pro Ser Cys Glu Gly
124           370           375           380
126 Thr Ala Gln Pro Leu Asp Asn Ser Met Gly Asp Ser Asp Cys Leu His

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/521,428

DATE: 01/28/2005

TIME: 11:43:49

Input Set : A:\ASZD-P01-750.txt

Output Set: N:\CRF4\01282005\J521428.raw

127 385 390 395 400  
129 Lys His Ala Asn Asn Ala Ala Ser Val His Arg Ala Ala Glu Ser Cys  
130 405 410 415  
132 Ile Lys Ser Thr Val Lys Ile Ala Lys Val Thr Met Ser Val Ser Thr  
133 420 425 430  
135 Asp Thr Ser Ala Glu Ala Leu  
136 435  
139 <210> SEQ ID NO: 3  
140 <211> LENGTH: 21  
141 <212> TYPE: DNA  
142 <213> ORGANISM: Artificial Sequence  
144 <220> FEATURE:  
145 <223> OTHER INFORMATION: Single Stranded linear  
147 <400> SEQUENCE: 3  
148 tatgaagtcg atcctagatg g 21  
151 <210> SEQ ID NO: 4  
152 <211> LENGTH: 19  
153 <212> TYPE: DNA  
154 <213> ORGANISM: Artificial Sequence  
156 <220> FEATURE:  
157 <223> OTHER INFORMATION: Single stranded linear  
159 <400> SEQUENCE: 4  
160 gttctcccca cactggatg 19  
163 <210> SEQ ID NO: 5  
164 <211> LENGTH: 20  
165 <212> TYPE: DNA  
166 <213> ORGANISM: Artificial Sequence  
168 <220> FEATURE:  
169 <223> OTHER INFORMATION: Single stranded linear  
171 <400> SEQUENCE: 5  
172 aattcttttc ctgtgctgcc 20  
175 <210> SEQ ID NO: 6  
176 <211> LENGTH: 48  
177 <212> TYPE: DNA  
178 <213> ORGANISM: Artificial Sequence  
180 <220> FEATURE:  
181 <223> OTHER INFORMATION: Single stranded linear  
183 <400> SEQUENCE: 6  
184 cgcaccatca ccaactgacct cctgggaagt cccttccaag agaagatg 48  
187 <210> SEQ ID NO: 7  
188 <211> LENGTH: 40  
189 <212> TYPE: DNA  
190 <213> ORGANISM: Artificial Sequence  
192 <220> FEATURE:  
193 <223> OTHER INFORMATION: Single stranded linear  
195 <400> SEQUENCE: 7  
196 gctccttcgg tcctccgata tctgtcagaa gtaagttggc 40

give source of genetic material  
(see item 11 on  
Error Summary  
sheet)

same error

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/521,428

DATE: 01/28/2005

TIME: 11:43:50

Input Set : A:\ASZD-P01-750.txt

Output Set: N:\CRF4\01282005\J521428.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date